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165 Factors influencing the demographic characteristics of the Boni. Life expectancy at birth for the Boni is not only 12 years higher than that of the Indians, but is also considerably higher than that of the African peoples from which they came.

This fact can be attributed to two causes:

164 1. The Boni live in a more salubrious environment than
182 the African forest and have better living conditions. It seems likely that the Guianese forest, apart from malaria, presents few causes of bad health and is relatively favorable to man; the absence of trypanosomiasis permits men /525/ to gather on the banks of the large rivers, generously exposed to the air and to the light. The small number of the Boni and their dispersion over a vast territory stands in the way of the transmission of diseases by drinking water. In fact the water is generally healthy. Dysentery and parasitosis are considerably rarer and less serious than in Africa;

14 2. The Boni are a selected population. This is a very im-
162 portant aspect of their demography.

The slaves were the object of a systematic selection; the purchasing commissions of the rich colony of Surinam allowed only individuals of good health and constitution to pass. A second selection took place at the time of the formation of the tribes of Refugee Blacks. More than from a massive rebellion the rebel groups increased in size by the addition of those who, from year to year, escaped at the peril of their lives. Without any doubt those who preferred combat to servitude were the most vigorous and bravest. Voluntary migrations have always been a factor of selection: one may suppose that a migration which took place in such circumstances was accompanied by a particularly rigorous selection which, in spite of the time which has passed (eight generations), continues to influence the physiological
[734] characteristics of the Refugee Blacks. Notably it can explain
[157] the vigorous constitution of the Boni (there are only two congenital invalids out of 810 persons) and their exceptional qualities of physical courage and initiative.

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Thus the behavior of a human group, its fate as a people, and its very existence appear to be determined to a large extent by hereditary biological characteristics. This notion was seen clearly enough at the beginning of this century, but it has never been the object of thorough studies, the conditions for an incontestable experiment not being found together. Repudiated in the name of theoretical principles by the train of thought which has animated sociology for the past several decades, it has ended up by being completely lost from sight. Present-day sociology no longer takes into consideration the biological facts peculiar to the groups which it studies; one currently speaks of cycles of civilization, of laws of social change, of acculturation, etc., as if social facts had their own life and their own evolution, independent of the supposedly identical and interchangeable people. It is as though one claimed to study the psychism of the human being without taking his body into account, denying the influence of sex, age, sickness. Some have even managed to maintain that man is in all respects the product of the society from which he comes.

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In the case studied here the falsity of these theories is obvious. If the Indians disappear wherever the Blacks establish flourishing societies, it is because their biological characteristics are not suited to the conditions imposed by the geographic environment, whereas those of the Blacks are to the highest degree.

Seen from this angle, the fate of the Indians of the Amazonian forest becomes clear; their social behavior and in particular their collapse upon contact with European civilization find an explanation.

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[177] /534/ The relations of the Indians with the Europeans of past centuries have been equally influenced by their biological characteristics. Their inaptitude for prolonged effort came in part from their physical weakness. When the Blacks and the Indians of the Amazonian forest have been employed side by side for years as soldiers and porters, there can be no doubt on this point. The Black is a force of nature. The Indian of the great forest, often full of good will, is betrayed by his physical powers.

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14 In the whole of the Amazonian forest these facts have been
16 observed since the seventeenth century and have led to the re-
182 placement of Indians by slave manpower imported from Africa.
114 The course taken in denying the biological realities and wishing to find at any cost a purely sociological explanation has inspired in recent years an ingenious explanation by several authors:

The success of African manpower was, according to them, due to the fact that the Blacks had a civilization closer to that of the Europeans, whereas the Amerindians were more hunters-fishermen than agriculturalists.

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[105] For any observer of good faith, the Indians of Guiana and
R the Blacks of the forests of the Congo and Gabon are largely
[433] on the same technological and cultural level. The Indians are
[361] certainly cultivators just as experienced as the Negroes; is one to forget that it was they who taught the rest of the world the greater part of the important tropical crops: manioc, maize, cotton, tobacco, and so many others? Hunting and fishing for them is only a secondary means of support; it is their instability,
R their lack of attachment to the soil, which may create an
[136] illusion on this point. It can be explained to a certain extent
[361] by the small size of the kinship groups; an ecological factor which does not exist in Black Africa must also be taken into account, the manioc ant, which swarms in particular in the zones habitually cultivated, promoting a seminomadism (18).

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[136] 18. This factor plays only a secondary role,
[361] since the Refugee Blacks despite the manioc ant, maintain villages of permanent residence, only changing their crop plantings, but it is certain that it promotes the dispersion of the groups and seminomadism.

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14 These considerations do not pretend to give a complete ex-
16 planation of the social behavior of the Indians of the Amazonian
182 forest. The biological characteristics of the group are only one of the factors of this behavior, parallel to many others, notably